CLAIMS AMENDMENTS

What is claimed is:

Claims 1-7 (not entered).

~~8~~ 1. A method for stabilizing RNA in vivo and/or in vitro comprising:

1) the growth of prokaryotic or eukaryotic cells in media containing thio-phosphate as a source of phosphorous

2) the subsequent isolation of the RNA by rapid boiling, or organic extraction methods and/or RNA binding matrices.

~~9~~ 2. The method of claim ~~8~~ 1 where the introduction of thio-phosphate into multicellular organisms is accomplished by injection, digestion, or absorption.

~~10~~ 3. ~~The~~ A method ~~of claim 8 used to~~ for maximizing the accumulation of a desired protein product(s) comprising:

1) growing cells in thio-phosphate containing media

3) determining the optimal ratio of thio-phosphate to inorganic phosphate in the culture media

3) determining the optimal time point for maximum levels of protein synthesis.

~~11~~ 4. The method of claim ~~10~~ 3 wherein the cells used to generate the protein are prokaryotic or eukaryotic in origin.

~~12~~ 5. The method of claim ~~10~~ 3 wherein the protein is produced using a recombinant DNA or viral expression vector or whole virus.

~~13~~ 6. The method of claim ~~10~~ 3 wherein the enhancement of a protein or several proteins is used to increase the rate or yield of non-protein products such as antibiotics, chemical intermediates, organic acids, etc.

7. The method of claim 3 where the introduction of thio-phosphate into multicellular organisms is accomplished by injection, digestion, or absorption.